

SHAL'NOV, Anatoliy Petrovich, kand. tekhn. nauk; SALYNIN, Ye.A.,
red.; KHENOKH, F.M., tekhn. red.

[Construction of underground urban gas pipe lines]
Stroitel'stvo podzemnykh gorodskikh gazoprovodov. Izd.2.,
perer. Moskva, Izd-vo M-va kommun,khoz.RSFSR, 1963. 302 p.
(MIRA 16:11)

(Gas, Natural—Pipelines)

SALYWSKIY, I. A.

PLATE I BOOK REPRODUCTION 80/8795

Abstracts and Bibliography. Institute of Electrical and Electronic Engineers, Inc. (IEEE), New York, N.Y. (Series: IEEE Trans., 9)

Abstracts of Technical Sciences; A.V. Krogovskiy, Candidate of Technical Sciences; V.T. Stetsko; Ed.: Yu. Serebryanskiy; Tom: 24; Ya. Kozlovskiy.

COVERED: This collection is the third in a series of works of the Institute of Power and Electrical Engineering, Academy of Sciences Latvian SSR. The main body of the articles deal with electric generators of electric power-supply systems for railroad passenger cars, with emphasis placed on the design of a synchronous generator with a built-in power rectifier. Other articles are concerned with the analog simulation of magnetic amplifiers, the investigation of transient processes in automatic regulation circuits, and the application of saturable reactors in transformer substations. References accompany each of the articles.

Contents. I. Experimental Investigation of an Electric Automobile Traction Equipment With an AC Generator With a Current-Control Parameter Circuit

Smolits, N.K. Study of Compensation-Circuit Operation in One-Phase With Variable Position Speed 35

Apelt, V.I. Maximum Power of a Synchronous Machine 41

Shklyunov, A.V., and K.I. Strizhnik. Three-Phase Inductor Generator With Double-Tooth Winding 57

Strizhnik, K.I. Three-Phase Inductor Generator With Two Stator-Tooth Poles 69

Lavrentis, G.M. Recording the Temperature of Generators Field Under a Rational Control During a Run 99

Amalt, K.Y. Equivalent Scheme of a Toothed-Armature Magnetic Circuit and Its Computation 107

Demarex, J.J., and I.A. Salyvskiy. Use of Selenium Rectifiers in Automobile Electrical Equipment 115

Gilshor, V.P. Dynamical Characteristics of a Saturable-Reactor Magnetic Amplifier With a DC Output 125

In view of the large number of types of rectifiers and their connections, determination of their estimated performance would necessarily involve a large number of experiments whose results would be difficult to utilize in practice. The author proposes to divide the problem into two parts: first, to determine the estimated performance of an ideal rectifier, and secondly, to take into account the effect of rectifier resistance. It is shown that during amplifier operation at an active load, the principles of design and the determination of material performance are the same for semiconductor rectifiers as for selenium rectifiers. The principles of design and the determination of material performance are the same for all magnetic amplifiers, i.e., the current gain factor, the power factor, the power gain factor, and the volume of steel and copper. The author concludes that the results of the calculations and the experimental results regarding various characteristics of saturable reactors operating with active loads, and that for carrying out a quantitative analysis of an amplifier in regard to its common parameters. The latter are helpful in evaluating how the load characteristic of an amplifier is affected by structural changes. There are 1 reference, all Soviet.

GECZI, Karoly; ONDRUS, Karoly; SALYO, Endre

Irrigation, land reclamation. Technika 7 no.8:6-7 Ag '63.

ACC NR: AP6035822

(A, N)

SOURCE CODE: UR/0413/66/000/020/0026/0027

INVENTOR: Salyuk, V. G.

ORG: None

TITLE: A silica gel cartridge for drying the air in the space between glasses on aircraft. Class 12, No. 186974

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 20, 1966, 26-27

TOPIC TAGS: silica gel, chemical drying, auxiliary aircraft equipment

ABSTRACT: This Author's Certificate introduces a silica gel cartridge for drying the air in the space between glasses on aircraft. The device is a cylindrical plastic case which has a connecting pipe with a dust filter mounted in the intake aperture. The unit is designed to prevent leakage of the dried air from the space between glasses and also to eliminate penetration of undried air through the cartridge by using a tubular elastic compensation chamber around the outer cylindrical section of the casing communicating with the inner cavity of the cartridge through perforations combined with corresponding apertures in the casing.

Card 1/2

UDC: 66.074:629.13.01/06

COUNTRY : USSR
CATEGORY : Cultivated Plants - Forage Crops. M
RES. JOUR. : RZhBiol., No. 14, 1958, No. 63468
AUTHOR : Salyukov, P. A., Kashirina, A. V.
INST. : Institute of Feeds and Pastures, Kazakh Affiliate, VASKHNIL
TITLE : Cultivation of Winter Rye in Southeastern Kazakhstan.

SPIC. PUB. : Zemledeliye, 1956, No. 7, 32-34

ABSTRACT : According to the data of the Institute of Feeds and Pastures of Kazakh affiliate of the All-Union Academy of Agricultural Sciences Imani Lenin, under the conditions of poorly provided, foot-hill rainfed land (360 mm of precipitation; loamy soil), the yield of winter rye was 40 c/ha; the yield of pasture grasses under the same conditions - 12 c/ha. Under the conditions of the desert zone of Sary-Tau-Kumy before the sands, with the precipitation of less than 180 mm, rye gave 12 and the natural herbage 0.7 c/ha. Cultivation of winter rye for grain under the conditions of distant pastures is of little effect since high temperature

Card: 1/2

ch.

SALYUKOV P. A.

USSR/Cultivated Plants - Fodders.

M-4

Abs Jour : Ref Zhur - Biol., No 7, 1958, 29832

Author : Salyukov, P.A., Yelizar'yeva, V.V., Lipovetskaya, N.N.

Inst : The Scientific Research Institute for Fodder and Pastura-
ge.

Title : The Comparative Productivity of Annual Fodder Crops
Raised on Bottomland and Estuary Meadows.

Orig Pub : Tr. N. -i. in-ta kormov i pastbishch, 1957, 1, 101-109

Abstract : According to tests made by the Institute in 1952-1955
the best annual fodder crops on bottomland and estuary
meadows are corn, sunflower, sudan grass and Hungarian
grass. When planted on an overturned layer, these crops
showed higher yields than when planted directly on the
bed. The corn yields on bottomland and estuary meadows
(300-482 centners per ha. of green stuff) were 4-7 times

Card 1/2

- 30 -

TAYBEKOV, Ye.V.; SALIUKOV, P.A.

[Measures for increasing the feed supply in Kazakhstan] Puti
rasshireniiia kormovoi bazy v Kazakhstane. [By] P.A.Saliukov i dr.
Alma-Ata, Kazakhskoe gos. izd-vo, 1959. 386 p. (MIRA 15:5)
(Kazakhstan--Forage plants)

SALYUKOV, P.A., kand. biol. nauk; VERNIGOR, V.A., kand. sel'khoz. nauk; KORMANOVSKAYA, M.A., kand. sel'khoz. nauk; GOLODNOV, A.V.; SKOROBOGATOV, Yu.A., mladshiy nauchnyy sotr.; MALLITSKIY, V.A., kand. sel'khoz. nauk; CHASHCHIN, B.V., kand. sel'khoz. nauk; PONOMAREV, P.P., kand. tekhn. nauk; BARMINTSEV, Yu.N., doktor sel'khoz. nauk; NECHAYEV, I.N., mlad. nauchnyy sotr.; POZDNYAKOV, P.M., kand. biol. nauk; KOVIN'KO, D.A., kand. biol. nauk; BALANINA, O.V., kand. sel'khoz. nauk; MOISEYEV, K.V., kand. sel'khoz. nauk; ROMANOV, P.F., kand. veter. nauk; PAL'GOV, A.A., kand. veter. nauk; ANAN'YEV, P.K., kand. veter. nauk; VASIL'YEV, B.M., kand. sel'khoz. nauk; ABDULLIN, V.A., kand. ekon. nauk; GALIAKBEROV, N., laureat Gos. premii, kand. sel'khoz. nauk, red.; GUSEVA, N., med.; NAGIBIN, P., tekhn. red.

[Reference book for zootechnicians] Spravochnik zootekhnika.
Pod red. N. Galiakberova. Alma-Ata, Kazsel'khozgiz, 1963.
492 p. (MIRA 16:5)

(Kazakhstan--Stock and stockbreeding)

ZOROV, A.G., kand. tekhn. nauk; SAIYUTIN, A.A., inzh.

Analysis of the operation of magnetic amplifiers with self-saturation and active inductive loads. Elektr. tekhnika 36 no. 10:27-29 0 '65.

(MIRA 18:10)

POSHERSTNIK, M.Yu., kand. tekhn. nauk; SALYUTINA, M.A., inzh.

Using powered germanium rectifiers in marine electric systems.
Sudostroenie 24 no.10:33-35 0 '58. (MIRA 11:12)
(Electricity on ships)

POSSHERSTNIK, Moisey Yudovich, inzh.; ~~SALYUTINA, Mariya Alekseyevna, inzh.;~~
~~MORDOVIN, B.M., prof., retsenzent; TURIBRIN, M.B., inzh., nauchnyy~~
red.; SHAURAK, Ye.N., red.; LEVOCHKINA, L.I., tekhn.red.

[Thermal calculation of ship cables] Teplovoi raschet sudovykh
kabelei. Leningrad, Gos.soiuznoe izd-vo sudostroit.promyshl.,
1959. 129 p. (MIRA 14:2)

(Electricity on ships) (Electric cables)

POSSHERSTNIK, Moisey Yudovich; SALYUTINA, Mariya Alekseyevna;
RENNE, V.T., doktor tekhn. nauk, retsenzent; MINDIN, G.R.,
nauchn. red.; SACHUK, N.A., red.

[Thermal calculations of ship cables] Teplovoi raschet sudovykh kabelei. Leningrad, Izd-vo "Sudostroenie," 1964. 238 p.
(MIRA 17:5)

POSEPERSSTNIK, M.Yu., kand. tekhn. nauk; SALYUTINA, M.A., inzh.

Characteristics of cables with a magnesium oxide insulation.
Sudostroenie 30 no.2:29-31 F '64. (MIRA 17:4)

SALWA, Wladyslaw

Subdural edema as a cause of prolonged mental disorders. Polski tygod.lek. 15 no.45:1737-1739 7 N '60.

1. Z Panstwowego Szpitala dla Nerwowo i Psychicznie Chorych im. J.Babinskiego w Krakowie-Kobierzynie: dyrektor: dr.med. Jan Gallus; ordynator: lek.med. Wladyslaw Salwa.

(BRAIN dis)
(EDEMA compl)

SALZ, H.

Swedish car Saab 1965. Automobil Cz 8 no.11:13-14 N '64.

Z/005/60/000/002/010/018
A121/A150

AUTHORS: Skřivánek, Jaroslav (Újezd nad Lesy); Houser, Václav,
Engineer; Salz, Karel, Engineer and Matouch, Miloslav,
Engineer (Prague)

TITLE: None given

PERIODICAL: Vynálezy, no. 2, 1960, 9

TEXT: (22f, 13; Registered 1958, December 24; Patent Application
6684-58). Conducting unannealed lacquer suitable for coating dielectric
materials containing a fine-powdered metal mixed with a film former of
thermoplastics, characterized by a content of 10-40% water in which the
film former is dispersed.

Card 1/1

SALZBERG, D., Dr.; POPESCU, I. Gr., dr.

Studies of infectious mononucleosis. Med.int.,Bucur. 8 no.6:
909-913 Oct 56.

(INFECTIOUS MONONUCLEOSIS, case reports)

ROMANIA

SALZBERG, D., MD.

"Gh. Marinescu" Hospital, Bucharest (Spitalul "Gh. Marinescu",
Bucuresti)

Bucharest, Viata Medicala, No 19, 1 Oct 63, pp 1347-1350

"Heparine."

SALZBERG, D., dr.; PETRESCU, C., dr.; TAUTU, C., dr.; SCHWARZ, B., dr.

Massive atrial thromboses. Diagnostic difficulties. Considerations on a clinical case. Med. intern. 15 no.8:1017-1020
Ag '63.

1. Lucrare efectuata in Sectia medicala, Serviciul al II-lea de neurologie, Serviciul de anatomie patologica al Spitalului "Gh. Marinescu", Bucuresti.
(HEART DISEASES) (THROMBOSIS) (HEART SEPTUM)

SALZBERG, D.

Surface tension of the lungs. Physiological mechanism. Physio-
pathological aspects. Fiziol. norm. pat. 10 no.5:395-398 S-0'64.

1. Serviciul de medicina interna al Spitalului nr. 9 "Ch. Marinescu"
Bucuresti.

MANOLIU, N., dr.; ANGELESCU, C., dr.; DANCU, I., dr.; SALZBERG, N., dr.;
MUSTATA, N., dr.; Cu colaborarea tehnica a Laboratorului de
biochimie: chim. KROMALNIC, B.; PAVELESCU, L.; SCHREIN, I.

The study of sideremia, serum transaminase activity and BSP
tests in the positive and differential diagnosis of epidemic
hepatitis. Med. intern. (Bucur.) 16 no.12:1511-1521 D '64

1. Lucrare efectuata in Spitalul de Stat nr. 12, Bucuresti.

SALZBERGER, A.

Protection of structures with the help of film-farming. p. 108.
(Industria Constructiilor Si A Materialelor De Constructii, No. 2, 1957
Bucuresti, Rumania)

SO: Monthly List of East European Accessions (EEAL) Lc. Vol.6, No. 8, Aug 1957. Uncl.

SALZBERGER, A.

RUMANIA/Chemical Technology - Chemical Products and Their
Application - Corrosion. Protection from Corrosion.

H-4

Abs Jour : Ref Zhur - Khimiya, No 3, 1958, 8403

Author : Salzberger A.

Inst :

Title : Protection of Constructions by Means of Film-Forming
Substances.

Orig Pub : Ind. constructilor si mater. constr., 1957, No 2, 108-114

Abstract : A review. Consideration of film-forming substances used to protect surfaces from corrosion, in building: lime whitewash, cement mortar coating, coatings of silicate and oil paints, and also of lacquers and paints with a synthetic resin base. Scope of utilization of each kind of coating are stated, its advantages and defects, and consideration is given to trends in research aimed at improvement of quality and widening of the product-range of the enumerated types of coatings.

Card 1/1

SALZMAN, J.

SKOKHA, D.

RAKAY - continued

CSSR

no academic degree indicated

Military institute for pulmonary diseases (Vojensky ustav pre choroby plucne),
Nova Polianka; director: O. HALAK, MD, and II. surgical clinic of the medical
faculty, Comenius University (II chir.klinika lek.fak. Univ. Komenskeho),
Bratislava, director: academician K. SISKA

Bratislava, Bratislavske lekarske listy, No 10, 1962, pp 596-606

"Results of a Study of Bronchi and Peribronchial Lymph Nodes in Resections of
Lungs for Tuberculosis"

SALZMAN, J. same as above

7

SALZMAN, Sarina; BAJESCU, Irina; CHIRIAC, Aurelia; VINTILA, Irina

Iron and manganese in some Rumanian soils. Comunicarile AR 11 no.8:
965-971 '61.

1. Comunicare prezentata de Gr. Obrejanu, membru corespondent al
Academiei R.P.R.

OBREJANU, Gr.; BAJESCU, Irina; CHIRIAC, Aurelia; SALZMAN, Sarina;
VINTILA, Irina

Odzolic soils of Rumania, and increase of their fertility. Studii
agr Timisoara 9 no.1/2:137-175 Ja-Je '62.

CZECHOSLOVAKIA

Lt Col Anton RAKAY, MD, Major Jiri SALZMANN, MD, Col Ondrej HALAK, MD,
and Lt Col Dusan SKOKNA, MD; Military Institute for Pulmonary Diseases
(Vojensky ustav pre choroby plucne,) Nova Polianka.

"Occurrence and Prevention of Tuberculosis in Quartermaster Service."

Prague, Vojenske Zdravotnicke Listy, Vol 31, No 5, Oct 62; pp 207-210.

Abstract [English summary modified]: At the military tuberculosis
sanitarium in Nova Polianka 1956-1961, 1% of all admissions were from
quartermaster corps. These are analyzed in detail. Careless application
of regulations rather than inadequacy of regulations resulted in
occurrence of clinical tuberculosis in food-handling military personnel;
most cases should have been ineligible for quartermaster service in the
first place. Average duration of disability in the 24 cases was 19
months; 17 (including 7 of the 14 regular army) were discharged from
military service; only 5 were eventually (reluctantly) returned to
qualified duties in QMC. Three Czech references.

1/1

L 30937-66

SOURCE CODE: CZ/0060/65/000/005/0200/0202

ACC NR: AP6023136

AUTHOR: Salzmann, Jiri

ORG: Military Institute for Lung Diseases /headed by Docent, Doctor Q. Halak,
Candidate of sciences/, Nova Polianka (Vojensky ustav pro choroby Plicni)

TITLE: Analysis of patients treated for malignant lung tumors at the Research
Institute for Lung Diseases at Nova Polianka during the years 1963-1964

SOURCE: Vojenske zdravotnicke listy, no. 5, 1965, 200-202

TOPIC TAGS: pulmonary disease, tumor, diagnostic medicine, thoracic surgery,
x ray investigation

ABSTRACT: The manner in which the disease is diagnosed is discussed; contrary to expectations, an overwhelming majority of the patients are subjected to many x-ray examinations where the disease should be, but is not, discovered. Thus only when the clinical aspects are obvious is the correct diagnosis made; then it is too late to give the patient a successful medical treatment. The importance of thoracotomy in treatment of the disease is stressed. Orig. art. has: 1 figure and 5 tables.

[JPRS]

SUB CODE: 06 / SUM DATE: none

Card 1/1 CC

UDC: 312.6:616.24-006.04-08-079

0915

1346

HAL'AK, O., MD; KOSTOLNÝ, I; SKOKŇA, J; SALZMANN, J;
RÁKAY, A; CHALUPOVÁ, E; CHALÚPA, M; KORHON, M., MD.

Czechoslovakia

VUCHP -- Nova Polianka (VUCHP -- novi Polianka);
Head: O. HAL'AK, MD; Second Surgical Clinic
-- Bratislava (II. chirurgická klinika -- Brati-
slava); Head: K. ŠIŠKA; Pathological-Anatomical
Ward of the Military Hospital -- Ružomberk
(Patologickoanatomické oddelenie Vojenskej
nemocnice -- Ružomberk); Head: M. KORHON, MD.
- (for all)

Bratislava, Lekársky Obzor, No 1, 1963, pp 41-49

"The Selection and Indications for and Results of
the First One Hundred Lung Resections for Tuber-
culosis Performed at VUCHP NOVA POLIANKA."

RAKAY, A.; KOSTOLNY, I.; KORHON, M.; HALAK, O.; CHALUPOVA, E.; CHALUPA, M.;
SKOKNA, D.; SALZMANN, J.

Results of a study of the bronchi and peribronchial lymph nodes following
resection of the lungs in tuberculosis. Bratisl. lek. listy 42 no.10:
596-600 '62.

1. Z Vojenskeho ustavu pre choroby pl'ucne v Novej Polianke, riaditel'
MUDr. O. Halak a z II. chir. kliniky Lek. fak. Univ. Komenskeho v
Bratislave, prednosta akademiej K. Siska.
(TUBERCULOSIS PULMONARY) (BRONCHI) (LYMPH NODES)
(PNEUMONECTOMY)

L 10483-66

ACC NR: AP6003545

SOURCE CODE: RU/0011/65/009/001/0024/0027

AUTHOR: Samachisa, Gh.—Samakisha, G. (Engineer)

36
B

ORG: none

TITLE: Influence of the charge stored in the collector region on storage time in transistors

SOURCE: Automatica si electronica v. 9, no. 1, 1965, 24-27

TOPIC TAGS: transistor, semiconductor research

ABSTRACT: A mathematical analysis of the influence of the charge stored in the collector region on storage time for various types of transistors. Formulae to calculate the storage time taking into consideration the effect of this charge are derived. Orig. art. has: 4 figures, 22 formulas. [JPRS]

SUB CODE: 09 / SUBM DATE: none / ORIG REF: 001 / OTH REF: 004

HW
Card 1/1

UDC: 621.373.52.018.46: 537.311.33

^A
SAMADELASHVILI, G.; SUSLIKOV, V.

Issuding credit for new machinery. Den. i kred. 19 no.3:65-
70 Mr '61. (MIRA 14:3)
(Credit) (Georgia--Textile machinery)
(Saratov Province--Machinery in industry)

SAMADALASHVILI, G.S.

Economic advantages of the new equipment. Tekst.prom. 21
no.2: 8-11 Ja '61. (MIRA 14:3)

1. Nachal'nik otdela tekhniko-ekonomicheskikh issledovaniy i obosnovaniy
NIIAVTOMATProma (g.Gori).
(Textile industry—Equipment and supplies)

SAMADASHVILI, A.

"The Functional Condition of the Thyroid Gland in Cases of Inadequate Cardiac-Vascular Systems, as Determined by Radioactive Iodine" a paper presented at the Transcaucasian Radiological Conference, Nov. 55.

TI-166004

SAMADASHVILI, A.G.

Rare case of a complicated combination of congenital and acquired heart defects. Vrach.delo no.4:41b Ap '57. (MIRA 10:7)

1. Kafedra propedevtiki vnutrennikh bolezney (zav. - prof. V.A. Andguladze) lechebnogo fakul'teta Tbilisskogo meditsinskogo instituta.
(HEART--ABNORMITIES AND DEFORMITIES)

Country : USSR
Category: Human and Animal Physiology. Internal Secretion.
Thyroid Gland
Abs Jour: RZhBiol., No. 19, 1958, 88966
Author : Saradashvili, A.G.
Inst : Tbilisi Medical Institute
Title : The Effect of Radioactive Iodine on the Thyroid
Function in Diseases of the Heart and Blood Vessels.
Orig Pub: Shronebi, Tr. Tbilissk. med. in-t, 1957, 15, 51-63
Abstract: No abstract.

T

Card : 1/1

T-64

SAMADASHVILI, A.G., Cand ^{Om}Med Sci -- (diss) "Concerning
the problem of the functional state of the thyroid gland in
chronic cardio-vascular insufficiency." Tbilisi, 1958, 22 pp
(Tbilisi State Med Inst) 200 copies (KL, 50-58, 130)

- 145 -

SAMADASHVILI, D. N.

USSR/Diseases of Farm Animals. Diseases Caused by R-1
Viruses and Rickettsiae

Abs Jour : Ref Zhur-Biol., No 1, 1958, 2751

Author : Kachakhidze A. V., Dzhamrulidze Ya E., Chelidze
G. T., Samadashvili D. N.

Inst : Georgian Scientific Research Veterinary Institute
Title : Dry Anti-Rabies Vaccine for Veterinary Practice

Orig Pub : Tr. Gruz. n-i vet. in-ta, 1955, 11, 267-269

Abstract : No abstract

Card 1/1

SAMADASHVILI, M. S.

Samadashvili, M. S. - "The duration of the discharge of bacteriophage introduced into the organism and its variability," Trudy Gruz. Nauch.-issled. vet. opyt. stantsii, Vol. X, 1949, p. 21-28, (Resume in Georgian)

SO: U-4934, 29 Oct 53, (Letopis 'Zhurnal 'nykh Statey, No. 16. 1949).

SAMADASHVILI, M.S.

Samadashvili, M.S.- "The experiment in obtaining dry Gertnerphage and the study of its properties," Trudy Gruz. Nauch.-issled. vet. opyt. stantsii, Vol. X, 1948, p. 29-33, (Resume in Georgian)

SO: U-1034, 29 Oct 53, (Letonis 'Zhurnal 'nykh Statey, No. 16, 1949).

87371

S/120/60/000/004/010/028
E032/E414

21.5300(2916, 1033, 1138)

AUTHORS: Shyuttse, V., Demirkhanov, R.A., Gutkin, T.I.,
Samadashvili, O.A. and Karpenko, I.K.

TITLE: A Double Focusing Mass-Spectrograph for the Measurement
of the Masses of Isotopes

PERIODICAL: Pribory i tekhnika eksperimenta, 1960, No.4, pp.92-98

TEXT: A description is given of a double-focusing mass spectrograph in which the double focusing condition is obeyed for all mass numbers. The principal ion optical parameters are as follows: ion deflection angle in the electric field $31^{\circ}50'$, ion deflection angle in the magnetic field 90° , radius of curvature in the electric field 51 cm. Owing to large linear dimensions, high stability of deflecting fields and accurate adjustment, a resolution of 120000 was achieved. The corresponding line widths were 1.5 to 2 μ . The dispersion per 1% of mass was between 0.25 and 2.25 mm. A permanent magnet is employed so that the same degree of stability is achieved over the whole mass range. The spectrometer is essentially of the Mattauch type, as indicated by Fig.1, where 1 is the ion source, 2 is a cylindrical condenser, 3 is the magnet, 4 is a vacuum
Card 1/5

87371
S/120/60/000/004/010/028
E032/E414

A Double Focusing Mass-Spectrograph for the Measurement of the Masses of Isotopes

valve, 5 is the input slit, 6 is a vacuum-tight screen which also serves as the ion current receiver, 7 are slits, 8 is a Faraday cylinder, 9 is a magnetic slit, 10 is an ion-optical (image) converter with a quartz light guide, 11 is the photographic plate holder, 12 are diffusion pumps and 13 is the concrete foundation. The length of the photographic plate is 400 mm. The input slit is at a distance of 360 mm from the boundary of the electric field and the distance between the electric and the magnetic fields is 560 mm. The ion source is in the form of a water-cooled gas discharge tube. With an anode voltage of 50 kV and anode-cathode potential difference of 25 kV, the discharge current was 4 to 5 mA. The accelerating electrode is earthed and the general arrangement of the electrodes is indicated in Fig.3. The anode is in the form of a copper cylinder with a closed end and a circular aperture drilled through it. The cathode is in the form of a steel disc, having a channel of 0.5 mm in diameter and 8 mm long. The flux of slow ions

Card 2/5

87371

S/120/60/000/004/010/028

EO32/E414

A Double Focusing Mass-Spectrograph for the Measurement of the Masses of Isotopes

leaving this channel is accelerated by a third electrode in the form of a truncated cone and having a 1 mm diameter aperture. The position of the anode can be varied relative to the cathode. The magnet is such that fields up to 11000 Oe can be produced in a 4 mm gap; it is a permanent magnet with Armco-iron poles. The use of a permanent magnet ensures a high degree of uniformity ($\Delta H/H \sim 10^{-7}$). In order to reduce the effect of the fringe field, a special magnetic slit made of high permeability material is used (9). Acknowledgments are expressed to E.Gotman who took part in the development of the design and to V.F.Moskovskiy and P.S.Brostyuk for practical assistance. There are 7 figures and 17 references: 1 Soviet and 16 non-Soviet.

SUBMITTED: May 16, 1959

~~Card 5/5~~

DEMIRKHANOV, R.A.; GUTKIN, T.I.; SAMADASHVILI, O.A.; KARPENKO, I.K.

Mass measurements of tin and antimony isotopes. Izv. AN SSSR.
Ser. fiz. 25 no.7:871-873 J1 '61. (MIRA 14:7)
(Mass spectrometry) (Tin--Isotopes)
(Antimony--Isotopes)

BABUTSIDZE, Ya.K.; NATADZE, T.A.; SAMADASHVILI, V.A.; SHALAMBERIDZE,
O.P.; GOMELAURI, L.Z., kand. med. nauk, red.

[Bibliographic index of the works of the Scientific Re-
search Institute of Sanitation and Hygiene] Bibliograficheski
ukazatel' trudov nauchno-issledovatel'skogo instituta sanitarii
i gigeny, 1926-1960 g. Tbilisi, 1962. 56 p. (MIRA 16:4)

1. Tiflis. Nauchno-issledovatel'skiy institut sanitarii i
gigiyeny.

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"Cultivation of the Peach of Shida Kakheti and Prospects for its Development." Cand Agr
Sci, Georgian Order of the Labor Red Banner Agricultural Inst, 9 Mar 54. Dissertation
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SO: SUM 186 19 Aug 1954

SAMADOV, K.

Spectrum analysis of powdered trace element samples. Dokl.
AN Tadzh. SSR 4 no.4:25-28 '61. (MIRA 15:1)

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akademikom AN Belorusskoy SSR B.I. Stepanovym.
(Trace elements, Spectra)

SAMADOV, K.; YANKOVSKIY, A.A.

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1. Otdel fiziki i matematiki AN Tadzhikskoy SSR. Predstavleno akademikom AN BSSR M.L.Yel'yashevichem i akademikom AN Tadzhikskoy SSR S.U.Umarovym.

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Sbornik po zootekhnii i parazitologii, Tashkent, 1948, pp. 165-176, - Bibliog: 5 items

SO: U-3261, 10 April 53 (Letopis 'Zhurnal 'nykh Statey No. 11, 1949)

SAMADOV, K. S.

Samadov, K. S. "Parasitological research of the Academy of Sciences of the Uzbek SSR",
Sbornik po zootekhnii i parazitologii, Tashkent, 1948, p. 83-89.

SO: U-3261, 10 April 53 (Letopis 'Zhurnal 'nykh Statey No.11, 1949)

SAMAKAYEV, Kh. A.

SAMAKAYEV, Kh. A.: "School geography classes and methods of working in them with fifth-class students," Min Education FSFSR, Moscow State Pedagogical Institute imeni V. I. Lenin. Moscow, 1956. (Dissertation for the Degree of Candidate in Pedagogical Science.)

Knizhnaya letopis', No. 30, 1956. Moscow.

ERDELI, Vladimir Georgiyevich; SAMAKAYEV, Kh.A.; FISHCHEVA, T.V., red.;
DRANNIKOVA, M.S., tekhn.red.

[Using a geographical training area in teaching geography in the
fifth grade] Ispol'zovanie geograficheskoi ploshchadki v prepo-
davanii geografii v V klasse. Moskva, Gos.uchebno-pedagog.izd-vo
M-va prosv.RSFSR, 1960. 102 p. (MIRA 13:12)
(Physical geography--Study and teaching)

L 33044-66

SOURCE CODE: RU/0005/65/000/003/0070/0076

ACC NR: AP6024228

AUTHOR: Draganescu, Mihai--Dregenesku, M. (Engineer; Lecturer; Candidate of technical sciences; Laureat of the State Prize; Editorial colleague); Samachisa, Gheorghe-- Samakishche, G. (Engineer)

Ho
B

ORG: none

TITLE: Planar solid-state inductances

SOURCE: Telecomunicatii, no. 3, 1965, 70-76

TOPIC TAGS: transistor, electric inductance

ABSTRACT: The authors present a mathematical analysis of the inductive behavior of thin-film transistors connected as reactance transistors. The properties of their inductance are determined and some suggestions for optimizing them are presented. Orig. art. has: 14 figures and 61 formulas. [Based on authors' Eng. abst.] [JPRS]

SUB CODE: 09 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 004

Card 1/1 *lp*

UDC: 621.382.333:621.3.011.3

0915 *1879*

SAMAKOVA, A.

GEOGRAPHY & GEOLOGY

Periodicals: KRASY SLOVENSKA. Vol. 35, No. 10, 1958. (Oct.)

SAMAKOVA, A. A vacation. p. 391.

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 4, April 1959.
Unclass.

SAMAL, E.

Wireless Engineer
May 1954
Measurements and Test Gear

① *Samal*
621.317.72.027.2.083.5 1512
Moving-Coil Compensator for recording Small Direct
Voltages.—E. Samal. (*Elektrotech. Z., Edn. A.*, 11th
Oct. 1953, Vol. 74, No. 20, pp. 590-593.) The difference
between the currents passed through a resistor from a
variable source and due to application of the unknown
e.m.f. is used to operate a variable mutual inductor
which controls the current source.

9-8-54 *80*

SAMAL, Fr.; CVRCEK, Mir.

Use of screen printing for description of electrical engineering products. Slaboproudy obzor 25 no.6:370 Je '64.

79

SAMAL, Frantisek; CVRCEK, Miroslav, inz.

Use of screen printing for inscriptions on the equipment
made by the electric engineering industry. Slaboproudý
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1. Tesla Strasnice, n.p., Praha.

SAMAL

SAMAL O.

Plaut-Vincentova angina a prispievky k jej poznaniu a liecbe.
[Plaut-Vicent's angina; diagnosis and treatment] Bratisl. lek.
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1. Of the Otolaryngological Clinic of Slovak University, Bratislava.

SAMAL, G., inz.

Postgraduate course on industrial safety at the Czech Higher
School of Technology in Prague. Strojirenstvi 13 no.11:868-870
N '63.

1. Vyzkumny ustav odborneho skolstvi, Praha.

SAMAL, Gustav, inz.

Use of the records and analysis of industrial accidents in the
technical development of industrial safety. Podn org 17 no.9:
414-416 S'63

1. Ustav odborneho skolstvi.

SAMAN, E.

SAMAN, E. Cable cranes for dam building and assembling steel structures.
p. 16. Vol 5, no. 1, Jan. 1957 INZENYRSKE STAVBY.
(Ministerstvo stavebnictvi)
Praha, Czechoslovakia

SOURCE: EAST EUROPEAN ACCESSIONS LIST (EEAL) VOL 6 NO 4 APRIL 1957

SAMAN, Erik, inz.

Experience in the mass production of steel structures of transport bridges. Inz stavby 12 no.4:142-147 Ap '64.

1. Transporta National Enterprise, Chrudim.

SAMAN, K;KOZINA, M:

Conservative treatment of ocular burns with acetylcholine and
priscoline. Cesk. ofth. 8 no.2:114-118 Mar 1952. (CJML 22:2)

1. Of the Eye Clinic (Head-- Prof. R.Knobloch, M. D.) in Pilsen.

SAMAN, Karel, Dr

Novocaine treatment of experimental corneal ulcers in rabbits
according to Speransky's teaching. Cesk. ofth. 10 no.5:286-295 Oct 54.

1. Očni klinika lékařské fakulty Karlovy university v Plzni.

(CORNEA, ulcers

exper. in rabbits, novocainether. according to Speransky's
theory)

(PROCAINE, therapeutic use

corneal ulcers, exper. in rabbits, Speransky's theory)

KOLETA, Frantisek, MUDr.; Spoluprace: As.. SAMAN, Karel, MUDr.

Significance of changes in the fundus oculi in eclampsia, in hypertension, and in kidney diseases in pregnancy. Cesk. gyn. 19 no.5:324-328 Sept 55.

1. Oční klinika v Plzni, prednosta prof. MUDr. Rudolf Knobloch.
Z por. gyn. kliniky v Plzni. Prednosta prof. MUDr. Vladimir Mikolas.

(PREGNANCY, complications,
hypertension & kidney dis., fundus oculi in)

(EYE,
fundus, in eclampsia, hypertension & kidney dis. in
pregn.)

(ECLAMPSIA, manifestations,
fundus oculi)

(HYPERTENSION, in pregnancy,
fundus oculi in)

(KIDNEYS, diseases,
in pregn., fundus oculi in)

SAMAN, K.; ZAVAZAL, Vl., Mat.; MALY, Vl.

Effect of novocaine on phagocytosis. Cesk. ofth. 13 no.1:11-20
Feb 57.

1. Oční klinika lékařské fakulty Karlovy university, pobočky v
Plzni. Přednosta prof. Dr. R. Knobloch. Ústav pro lékařskou
mikrobiologii a imunologii lékařské fakulty Karlovy university,
pobočky v Plzni. Přednosta: doc. Dr. Vl. Wagner.

(PROCAINE, eff.

on phagocytosis (Cs))

(PHAGOCYTOSIS, eff. of drugs on
procaine (Cs))

ŠAMAN, K.

EXCERPTA MEDICA Sec.12 Vol.11/9 Ophthalmology Sept 57

1408. ŠAMAN K. Oční Klin. Lék. Fak. Karlovy Univ., Pobočky, Plzeň. *Lecení očních afekcí novokainem. Treatment of eye diseases with procaine ČSL. OFTHAL. 1957, 13/1 (21-28) Tables 1

An experimental study of the anti-inflammatory effects of procaine in animals and in clinical application showed no differences in the clinical course in pyocyanous keratitis in rabbits between cases treated by 'perilimbal blockade' and those treated by intramuscular injection of the same concentration of procaine. Experiments on animals were performed with a strain of *Pseudomonas aeruginosa* refractory to procaine. Patients were treated by subconjunctival injections (2-3 applications of 2 ml. of 2% procaine) and by intramuscular injections (10-15-20 ml. of 1% procaine) and the phagocytic faculty of human blood was studied. Procaine or its products increase the phagocytic faculty by increasing the level of non-specific antibodies in the blood serum. This is probably the cause of the anti-inflammatory effect of the blockade by procaine. Out of 148 patients treated by this method 3 showed hypersensitivity to procaine. Very good results of the treatment were obtained in disciform keratitis. The total doses of procaine, the individual reactibility and the general condition of the entire individual neurohumoral apparatus have greater importance for the therapeutic effect than the actual blockade of the nerve fibres supplying the diseased organ.

Zahn - Prague

SAMAN, K.; RESL, Vl.

Glaucoma & vitiligo. Cesk. fysiolo. 14 no.4:291-297 Aug 58.

1. Očni klinika lékařské fakulty Karlovy university, pobočky v Plzni,
prednosta prof. dr. R. Knobloch--Kozni a vener. klinika lékařské fakulty
Karlovy university, pobočky v Plzni prednosta prof. Dr. Vl. Resl.

(GLAUCOMA, manifest.

vitiligo (Cz))

(VITILIGO, etiol. & pathogen.

glaucoma (Cz))

SAMAN, K.

Occurrence of a tonic substance in the aqueous humor of the rabbit eye following stimulation of the trigeminal nerve. Cesk. ofth. 14 no.5: 356-358 Oct 58.

1. Očni klinika lékařské fakulty Karlovy university v Plzni, přednosta prof. MUDr. R. Knobloch.

(AQUEOUS HUMOR, physiol.

tonic substance following stimulation of trigeminal nerve in rabbit (Cz))

(NERVES, TRIGEMINAL, physiol.

stimulation inducing tonic substance in aqueous humor of rabbit eye (Cz))

SAMAN, K.; CERHOVA, M.; SIDLOVA, A.

Serotonin in patients with glaucoma, Cesk. ofth, 16 no.3/4:181-187 My '60

1. Očni klinika lékařské fakulty KU pobočka v Plzni, přednosta prof. dr. R. Knobloch Interní klinika lékařské fakulty KU pobočka v Plzni, přednosta prof. dr. K. Bobek.
(GLAUCOMA blood)
(SEROTONIN blood)

SAMAN, K.; CERHOVA, M.; SIDLOVA, A.

Biological and chromatographic determination of the "tonizing" substance in the aqueous humor of the rabbit in trigeminal irritation and section. Cesk.ofth.16 no.7:447-453 N°60.

1. Očni klinika lékařské fakulty KU, pobočka v Plzni, přednosta prof.dr. R.Knobloch. Interní klinika lékařské fakulty KU, pobočka v Plzni, přednosta prof.dr. K. Bobek.
(TRIGEMINAL NERVE physiol)
(AQUEOUS HUMOR chemistry)

SAMAN, K.

On the effect of the serotonin antagonist deseril on the intraocular pressure in patients with glaucoma (Preliminary report). Cesk. ofth. 17 no.3:214-217 My '61.

I. Oční klinika lékařské fakulty Karlovy university v Plzni, přednosta
oční kliniky prof. Rudolf Knobloch, Dr. Sc.

(SEROTONIN antag) (GLAUCOMA pharmacol)
(INTRAOCULAR PRESSURE pharmacol)

SAMAN, Karel

The effect of reserpine on the pupil and intraocular pressure of the rabbit eye. Cesk. ofth. 17 no. 4/5:375-380 JI '61.

1. Očni klinika lékařské fakulty University Karlovy v Plzni, přednosta
oční kliniky prof. Dr. Sc. Rudolf Knobloch.

(RESERPINE pharmacol)
(PUPIL pharmacol)
(INTRAOCULAR PRESSURE pharmacol)

SAMAN, Karel

The effect of locally administered pilocarpine, atropine and subconjunctivally injected adrenalin on the serotonin level in the aqueous humor of the rabbit eye. Cesk. ofth. 17 no.4/5:381-387 JI '61.

1. Očni klin. lek. fak. University Karlovy v Plzni, predn. očni kl. prof. Dr. Sc. R. Knobloch.

(AQUEOUS HUMOR chem) (SEROTONIN chem)
(PILOCARPINE pharmacol) (ATROPINE pharmacol)
(EPINEPHRINE pharmacol)

SAMAN, Karel

The effect of cervical sympathectomy and equal irritation of the trigeminal nerve on the serotonin level in the aqueous humor of the rabbit eye. Cesk. ofth. 17.no.4/5:388-391 JI '61.

1. Oční kl. lek. fak. University Karlovy v Plzni, predn. oční kl. prof. Dr. Sc. R. Knobloch.

(SEROTONIN chem) (AQUEOUS HUMOR chem)
(TRIGEMINAL NERVE physiol)
(SYMPATHECTOMY experimental)

SAMAN, K.; LAHN, V.; VIRT, S.; technicka spoluprace SPEVACKOVA, J.

Excretion of 5-hydroxyindolacetic acid in glaucoma patients. Cesk. ofth. 17 no.7:487-494 N '61.

1. Očni klinika lekárske fakulty KU v Plzni, prednosta prof. dr. R. Knobloch Interni klinika lekárske fakulty KU v Plzni, prednosta prof. dr. K. Bobek.

(GLAUCOMA urine) (INDOLACETIC ACID urine)

KOTYZA, Frantisek; SAMAN, Karel

Contribution to the problem of nonspecific inflammation (so-called inflammatory pseudotumor of of the orbit). Cesk. otolaryng. 11 no.2:104-108 Ap '62.

1. Klinika nemoci usnich, nosnich a krcnich lekarske fakulty University Karlovy v Pizni, prednosta prof. dr. Fr. Kotyza Klinika nemoci ocnich lekarske fakulty University Karlovy v Pizni, prednosta prof. dr. R. Knobloch.

(ORBIT diseases)

CERHOVA, M.; SAMAN, K.

5-hydroxytryptamine in extracts of human and rabbit irises and human aqueous humor. Cesk. oftal. 18 no.5:348-354 S '62.

1. Ustav pro lekářskou chemii lek. fak. University Karlovy v Plzni,
ved. dr. V. Habermann Oční klinika lek. fak. University Karlovy v
Plzni, predn. prof. dr. R. Knobloch, DrSc.
(SEROTONIN) (IRIS) (AQUEOUS HUMOR)

SAMAN, K.

Diseases of the eye and injury. Discussion contribution.
Gesk. oftal. 20 no.2:132-134 Mr'64

1. Očni klinika lékařské fakulty KU v Plzni; prednosta: prof.
dr. R.Knobloch, DrSc.

SAMAN, K.

The life of Prof. Rudolf Knobloch, Dr.Sc. Cesk. oftal. 21 no.2:
81-84 Mr '65.

MINAR, J., MUDr.; SAMAN, K.; FESSL, V.

Problems and techniques of halothane anesthesia in pediatric eye surgery. Cesk. oftal. 21 no.3:172-176 My '65

1. Anesteziologicke oddeleni fakultni nemocnice v Plzni (vedouci: MUDr. J. Minar); Ocni klinika (prednosta: prof. dr. R. Knobloch, DrSc.), I. khirurgicka klinika (prednosta: doc. dr. J. Spinka) lekarske fakulty Karlovy University v Plzni.

GARA, Dezso, gepesztechnikus (Godollo, Munkacsy Mihaly utca 23/c)
MUCSI, Pal, gepkocsivezeto; SAMAN, Pal, dr.; KUH, Sandor,
gepkocsiveseto

Passengers on highways. Auto motor 16 no.14: 23 21 J1 '63.

1. Magyar Allamvasutak Autobusz Uzeme. (for Mucsi).

SAMAN, R.

Items of interest from the new range of textile fabric samples for 1957. p.59.
(Textile, Vol. 12, No. 2, Feb. 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

YEMANOVA, Ye. A., kand. med. nauk; MALKIN, I. I.; KORESHEVA, I. I.;
SAMANCHUK, I. M.

Effectiveness of the compound balneoclimatic treatment of
psoriasis at Sochi-Matsesta health resort. Vest. dermat. i ven.
36 no.6:28-33 Je '62. (MIRA 15:6)

1. Iz Sochinskogo nauchno-issledovatel'skogo instituta kurortologii (dir. - zasluzhennyy deyatel' nauki prof. M. Shikhov) i dermatologicheskogo sanatoriya "Raduga" (glavnyy vrach A. V. Aleksandrov)

(PSORIASIS)
(SOCHI--HEALTH RESORTS, WATERING-PLACES, ETC.)

MATEVOSYAN, M.; GERCHIKOV, M.; MENUSHENKOV, P.; SAMANCHUK, M.

Control and responsibility for production quality. Sots. trud
6 no.8:115-121 Ag '61. (MIRA 14:8)

1. Direktor Stalingradskogo metallurgicheskogo zavoda "Krasnyy
Oktyabr!" (for Matevosyan). 2. Nachal'nik otdela tekhnicheskogo
kontrolya Kramatorskogo metallurgicheskogo zavoda imeni Kuybysheva
(for Gerchikov). 3. Direktor Zlatoustovskogo metallurgicheskogo
zavoda (for Menushenkov). 4. Direktor torfyanogo predpriyatiya
"Pogoreloye", Spasskogo rayona Ryazanskoj oblasti (for
Samanchuk).

(Steel industry--Quality control)
(Spasskiy District--Peat industry--Quality control)

DOVZHANSKIY, S.I., kand.med.nauk; MALKIN, I.I.; SMIRNOVA, Ye.P.; KORESHEVA,
I.I.; KIBZUN, V.A.; SHAVLAK, L.I.; SAMANCHUK, I.M.; KOKHANOV, Ye.M.;
Prinimali uchastiye: KERIMOV, V.M.; LEV, Kh.A.; GULUBEV, A.F.

Combined hydrogen sulfide-radon baths in treating chronic
dermatoses at the Sochi-Matsesta Health Resort. Vest. dermat.
i ven. 38 no.9:47-51 S '64. (MIRA 18:4)

1. Sochinskiy institut kurortologii i fizioterapii (dir. N.Ye.
Romanov) i dermatologicheskii sanatoriy "Raduga" (glavnyy vrach
G.K.Gonsales).

L 2263"-65 EWT(d)/T Pg-4 IJP(c) NLK

ACCESSION NR: AT4039220

S/0000/63/000/000/0108/0117

AUTHOR: Samandarov, E. G.

TITLE: Queues under an extraordinary incoming flow of calls

B+1

SOURCE: AN UzSSR. Institut matematiki. Predel'ny*ye teoremy* teorii veroyatnostey
(Limit theorems for the theory of probability). Tashkent, Izd-vo AN UzSSR, 1963,
198-117

TOPIC TAGS: probability theory, probability, limit theorem, queing theory, Poisson
distribution

ABSTRACT: The author considers a single-service system with an extraordinary in-
coming flow of calls, assuming that at random instants of time there arrive groups of
calls containing a random number of units (calls). The limit distribution is defined by

$$P_k = \lim_{n \rightarrow \infty} P(\xi_n = k), \tag{1}$$

where $\xi_n = \xi(t_n - 0)$ is the number of units occupying the system at the instant of arrival

Card 1/4

L 22637-65

ACCESSION NR: AT4039220

of the n -th group of calls. An earlier author has considered a single-service system with groups of incoming calls under the assumption that the number of units in each group is constant. Let: t_i be the instant of arrival of the i -th group of calls; $\tau_i = t_{i+1} - t_i$ be the interval between successive calls; ρ_i be the number (possibly zero) of units in the i -th group; v_i be the number of services completed during the interval τ_i ; v_i^* be a random quantity having a Poisson distribution with a parameter. Let $Q(z)$ be the generating function for the random variable ρ_i and $K(z)$, for v_i^* . Let $Q(z) = U(z)/V(z)$, where U and V are polynomials not having roots in common and such that the degree of U is less than that of V . Defining $P_n(z)$ by

$$p_{n,i} = P\{\xi_n = i\} = P\{\xi(t_n - 0) = i\} = P\{\xi_n^* = i\}, \quad (2)$$

$$a_{n,i} = P\{\xi_n^* + \rho_n - v_n^* = i\},$$

$$P_n(z) = \sum_{i=0}^{\infty} p_{n,i} z^i,$$

$$A_n(z) = \sum_{i=-\infty}^{\infty} a_{n,i} z^i$$

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ACCESSION NR: AT4039220

for $|z| \leq 1$ define $P(z)$ by

$$P_n(z) \rightarrow P(z) = \sum_{i=0}^{\infty} P_i z^i \quad (3)$$

The main result is the theorem: $P(z)$ is given by

$$P(z) = \frac{c_{N-M} z^{N-M} + \dots + c_0}{\prod_{i=1}^{N-M} (1 - \gamma_i z)} \quad (4)$$

where γ_i are the zeros of $1 - Q(z^{-1})K(z)$ located inside the unit circle, $i = 1, 2, \dots, N-M$, where N is the degree of $V(z)$ and M is the number of roots common to $V(z^{-1})$ and $K(z)$. The constants c_i are defined by

$$\left. \begin{aligned} \sum_{i=0}^{N-M} c_i &= \prod_{i=1}^{N-M} (1 - \gamma_i) \\ \sum_{i=0}^{N-M} c_i z^k &= 0 \quad (k = M+1, \dots, N) \end{aligned} \right\} \quad (5)$$

Card 3/4

L 22637-65

ACCESSION NR: AT4039220

This theorem is proved and an example of its use is given. The author expresses thanks to Yu. V. Prokhorov. Orig. art. has: 37 formulas. 2

ASSOCIATION: Institut matematiki AN UzSSR (Institute of Mathematics, AN UzSSR)

SUBMITTED: 29Apr63

ENCL: 00

SUB CODE: MA

NO REF SOV: 001

OTHER: 002

4/4

Card

SAMANDAROV, E.G.

Steady-state distribution in certain queueing systems.

Dokl. AN Tadh. SSR 6 no.3:7-10 '63.

(MIRA 17:4)

1. Otdel fiziki i matematiki AN Tadzhikskoy SSR. Predstavleno akademikom AN Tadzhikskoy SSR S.U.Umarovym.

SAMANDAROV, E.G.

Period of occupancy of a queueing system at a group influx of demands. Dokl. AN Tadzh. SSR 6 no.4:3-7 '63. (MIRA 17:4)

1. Otdel fiziki i matematiki AN Tadzhikskoy SSR. Predstavleno akademikom AN Tadzhikskoy SSR S.U.Umarovym.

SAMANDAROV, E.G.

Queueing systems under conditions of heavy loads. Teor.
veroiat. i ee prim. 8 no.3:327-330 '63. (MIRA 16:8)

1. Matematicheskiiy institut imeni V.A. Steklova AN SSSR.

SAMANDAROV, S. A.

27189 SAMANDAROV, S. A. , NURALIEV, A. N. - Zavodskaya Pererabotka Khlopka Mashinnogo
Spora. Tekstil. Prom-st: 1949, No. 8, s. 5-6

SO: Letopis' Zhurnal'nykh Statey, Vol. 36, 1949.

1. SAMANDAROV, S.
2. USSR (600)
4. Cotton Gins and Ginning
7. Some technological measures for improving fiber quality, Khlopkovodstvo 3 no. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

SAMANDAROV, S. A., kand.tekhn.nauk; RYBAL'SKAYA, M.B., starshiy nauchnyy
~~so~~trudnik

For a more thorough cleaning of cotton in ginning. Tekst.prom. 20
no.9:10-13 S '60. (MIRA 13:10)

1. Rukovoditel' laboratorii ochistki i voloknotdeleniya Tsentral'-
nogo nauchno-issledovatel'skogo instituta khlopkovoy promyshlennosti.
(Cotton gins and ginning)

SAMANDAROV, S.A., kand.tekhn.nauk; KRYGIN, A.I., nauchnyy sotrudnik

Once-through fiber cleaner for cotton gins. Tekst.prom.22 no.3:38-39
Mr '62. (MIRA 15:3)

1. Rukovoditel' laboratorii ochistki i dzhinirovaniya TSentral'nogo
nauchno-issledovatel'skogo instituta khlopkovoy promyshlennosti (for
Samandarov). 2. TSentral'nyy nauchnoissledovatel'skiy institut
khlopkovoy promyshlennosti (for Krygin).
(Cotton gins and ginning)

L 18095-63 EWT(d)/FCC(w)/BDS AFFTC/ESD-3/APGC/IJF(C)
ACCESSION NR: AP3005661 S/0052/63/008/003/0327/0330

AUTHOR: Samandarov, Ya. G. (Moscow - Dushanbe)

59
56

TITLE: Service systems with heavy traffic

SOURCE: Teoriya veroyatnostey i yeye primeneniya, v. 8, no. 3, 1963, 327-330

TOPIC TAGS: queuing theory, waiting time, service system, stationary queue, exponential service time, asymptotic theory

ABSTRACT: Let t_i be the moment of arrival of the i -th customer, $\tau_i = t_{i+1} - t_i$, χ_i be the time of service of the i -th customer, and $F_n(x) = P\{\tau_n \leq x\}$ be the distribution function of waiting time of the n -th customer from the beginning of service. Assume that each of the sequences $\{\tau_i\}$, $\{\chi_i\}$ consists of independent, identically distributed random variables with these sequences mutually independent. Let $P\{\tau_i \leq x\} = 1 - e^{-\lambda x}$, $x \geq 0$, and $P\{\chi_i \leq x\} = H(x)$ where $H(x)$ is a distribution function with $H(0) = 0$. Suppose that customers are serviced by one apparatus in the order of their arrival. For the sequence of random variables τ_n the following recursion relation holds:

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